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MAR 22 1973

PROCUREMENT SECTION
CURRENT SERIAL RECORDS



WATER SUPPLY OUTLOOK FOR ARIZONA

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

SALT RIVER VALLEY WATER USERS ASSOCIATION

and

ARIZONA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report.

AS OF
MAR. 15, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR ARIZONA

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

KENNETH E. GRANT

ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D. C.

|||||

Released by

GEORGE C. MARKS

STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
PHOENIX, ARIZONA

In Cooperation with

RICHARD K. FREVERT

DIRECTOR
ARIZONA AGRICULTURAL
EXPERIMENT STATION

KARL F. ABEL

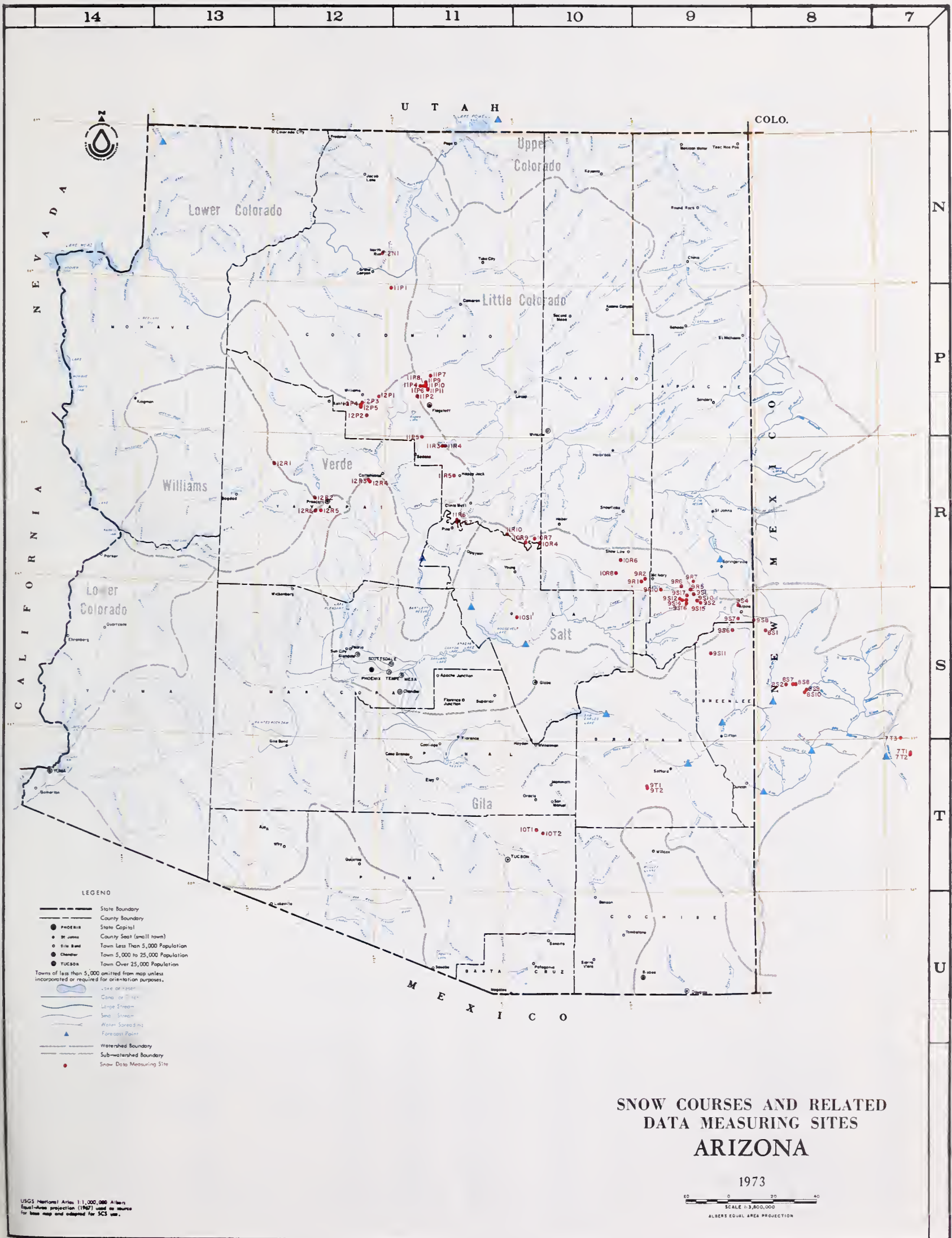
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SALT RIVER VALLEY WATER
USERS ASSOCIATION

|||||

Report prepared by

RICHARD W. ENZ, Snow Survey Supervisor

SOIL CONSERVATION SERVICE
ROOM 6029 FEDERAL BUILDING
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INDEX to SNOW COURSES and SOIL MOISTURE STATIONS

NUMBER	NAME	SEC.	TWP.	RGE.	ELEV.	DRAINAGE	OBSERVER	RECORD BEGAN
11P10A	Agassiz	32	23N	7E	11200	Little Colorado	SCS	1968
11R7	Baker Butte #2	9	12N	9E	7700	Verde	SCS	1971
11R6PSP	Baker Butte	4	12N	9E	7300	Verde	SCS	1966
9S1APSP	Baldy	28	7N	27E	9125	Little Colorado	SCS	1950
9S15	Baldy #2	12	6N	26E	9750	Little Colorado	SCS	1963
9S16	Baldy #3	13	6N	26E	10950	Little Colorado	SCS	1963
10T1	Bear Wallow	6	12S	16E	8100	Gila	FS	1948
9S6	Beaver Head	13	4N	30E	8000	San Francisco	FS	1938
12P5	Bill Williams Intermediate	17	21N	2E	8550	Cataract	FS	1967
12P4	Bill Williams Summit	17	21N	2E	8950	Verde	FS	1967
9S10m	Black River Divide	10	6N	27E	9400	Salt	SCS	1954
12N1	Bright Angel	34	33N	3E	8400	Bright Angel Creek	NPS	1947
12R1	Camp Wood	3	16N	6W	5700	Verde	FS	1946
10R7M	Canyon Creek #2	18	11N	15E	7500	Little Colorado	SCS	1958
10R9P	Canyon Point	28	11N	14E	7600	Salt	SCS	1967
12P1M	Chalender	27	22N	3E	7100	Verde	FS	1947
9R7	Cheese Springs	28	8N	27E	8600	Little Colorado	SCS	1969
12R6P	Copper Basin Divide	23	13N	3W	6720	Verde	SCS	1963
10R8m	Corduoy Creek	4	8N	21E	6000	Salt	SCS	1954
9S7	Coronado Trail	26	5N	30E	8000	San Francisco	FS	1938
9T2A	Crazy Horse	34	8S	24E	10200	Gila	FS	1963
11P11a	Doyle Saddle	4	22N	7E	10900	Little Colorado	SCS	1968
7T1	Emory Pass #1	16	16S	9W**	7800	Mimbres	SCS	1967
7T2	Emory Pass #2	16	16S	9W**	7800	Mimbres	SCS	1967
10R6	Forest Dale	2	9N	21E	6430	Salt	BIA	1939
9R5	Ft. Apache	18	7N	27E	9160	Little Colorado	SCS	1951
11P2P	Ft. Valley	22	22N	6E	7350	Little Colorado	FS	1947
8S1MP	Frisco Divide	31	6S	20W**	8000	San Francisco	FS	1938
12R4	Gaddes Canyon	11	15N	2E	7600	Verde	SCS	1954
11P1	Grand Canyon	21	30N	4E	7500	Hance Creek	NPS	1947
9S11P	Hannagan Meadows	19	3N	29E	9090	San Francisco	FS	1964
11R5P	Happy Jack	30	16N	9E	7630	Verde	FS	1951
9R10	Hawley Lake	13	7N	24E	8300	Salt	BIA	1966
10R4PSP	Heber	28	11N	15E	7600	Little Colorado	SCS	1950
9T1A	High Peak	34	8S	24E	10500	Gila	FS	1963
8S9A	Hummingbird	19	11S	17W**	10550	Gila	SCS	1964
11P9P	Inner Basin #1	28	23N	7E	10000	Little Colorado	SCS-USBR	1967
11P8P	Inner Basin #2	28	23N	7E	9750	Little Colorado	SCS-USBR	1967
11P7	Inner Basin #3	3	23N	7E	10250	Little Colorado	SCS-USBR	1967
12R2	Iron Springs	22	14N	3W	6200	Bill Williams	SCS	1946
9S2APSP	Maverick Fork	13	6N	27E	9150	Salt	SCS	1950
7S3A	McKnight Cabin	10	15S	10W**	9300	Mimbres	SCS	1967
9R2M	McNary	23	8N	23E	7200	Salt	BIA	1939
9R1	Milk Ranch	33	8N	23E	7000	Salt	BIA	1941
12R3	Mingus Mountain	3	15N	2E	7100	Verde	SCS	1947
8S2	Mogollon	2	11S	19W**	7000	San Francisco	SCS	1953
11R4	Mormon Lake	13	18N	8E	7350	Little Colorado	SCS	1947
11R3MAPSP	Mormon Mountain	14	18N	8E	7500	Verde	SCS	1950
9S12A	Mt. Ord	4	6N	26E	11200	Salt	SRP-SCS	1966
11P5M	Newman Park	25	19N	6E	6750	Verde	SCS	1963
9S4	Nutriosio	23	6N	30E	8500	San Francisco	FS	1938
11R10	Promontory Butte	5	11N	13E	7930	Little Colorado	SCS	1973
8S7	Redstone Trail	5	11S	18W**	8600	San Francisco	SCS	1961
10T2	Rose Canyon	15	12S	16E	7300	Gila	FS	1948
8S8P	Silver Creek Divide	4	11S	18W**	9000	San Francisco	SCS	1964
9S14A	Smith Cienega	10	6N	26E	10050	Salt	SRP-SCS	1966
11P4	Snow Bowl #1	36	23N	6E	10260	Verde	FS	1961
11P6	Snow Bowl #2	31	23N	7E	11000	Verde	FS	1965
9S8	State Line	6	6S	21W**	8000	San Francisco	FS	1938
9S17	Sunrise Summit	36	7N	26E	10600	Salt	FAIR-SCS	1972
12P2P	White Horse Lake Jct.	2	20N	2E	7180	Verde	FS	1967
12R5	White Spar	19	13N	2W	6000	Verde	SCS	1963
8S10A	Whitewater	19	11S	17W**	10750	Gila	SCS	1964
12P3	Williams Ski Run	9	21N	2E	7720	Cataract	FS	1967
9R6P	Wilson Lake	4	7N	26E	9000	Salt	SCS	1966
10S1P	Workman Creek	33	6N	14E	6900	Salt	FS	1952

A Aerial Snow Depth Marker

a Aerial Snow Depth Marker Only

M Soil Moisture Station

m Soil Moisture Station Only

P Precipitation Storage Gage

SP Snow Pressure Pillow

** NM Principal Meridian

ARIZONA WATER SUPPLY OUTLOOK

MARCH 15, 1973

Excellent water supplies are in prospect for Arizona. The heaviest storm of the season last week increased snow pack to near record levels for this date. Reservoirs are filling rapidly and all streamflow forecasts have been increased greatly.

SNOW COVER

The snowfall last week resulted in 2 to 3 feet of new snow at most snow courses above 7,000 ft. Snow depths of 4 to 7 feet are common at 7,000 to 8,000 feet. Increases of 3 to 6 inches of water equivalent were typical from Williams to McNary. On the Verde Watershed, the 5 times average snowpack is the greatest since 1949 for this date. In the White Mountains snow cover is 3 times average with the higher elevations approaching the 1962 records. At 11,000 feet on the San Francisco Peaks, on Mt. Baldy in the White Mountains, and on the Gila Mountains there is over 10 feet of snow. This heavy snowpack is due to the continued cold temperatures as well as the heavy storm activity.

PRECIPITATION

For the first half of March precipitation has generally been 2 to 4 times average. Over 6 inches occurred at Mormon Mountain and at Workman Creek in Tonto Basin. Precipitation amounts of 3 to 5 inches were received on all watersheds except for a few isolated areas.

SOIL MOISTURE

Soils are very wet everywhere on all watersheds. Water yields will be high from moderate precipitation in the next two weeks.

RESERVOIR STORAGE

All reservoirs received large increases in stored water due to the heavy runoff from the lower elevations. Salt and Verde Reservoirs, containing 90% of capacity, are 67% above average. With far more runoff expected than needed to fill the reservoirs, releases will continue for about another month.

San Carlos Reservoir, receiving 56,000 acre-feet so far this month, is now 60% full. It is not predicted to exceed 75% of capacity.

STREAMFLOW AND WATER SUPPLY

Heavy runoff continued in March and picked up significantly after the big storm last week. So far the runoff has come mainly from below 7,000 feet, with very little melting occurring above that level.

Runoff forecasts of $2\frac{1}{2}$ to 3 times average are predicted March 1 through May. The Salt, Verde and Tonto are forecast to produce 660,000 acre-feet by June 1, if precipitation is near normal.

STREAMFLOW FORECASTS

ABOUT MARCH
15, 1973

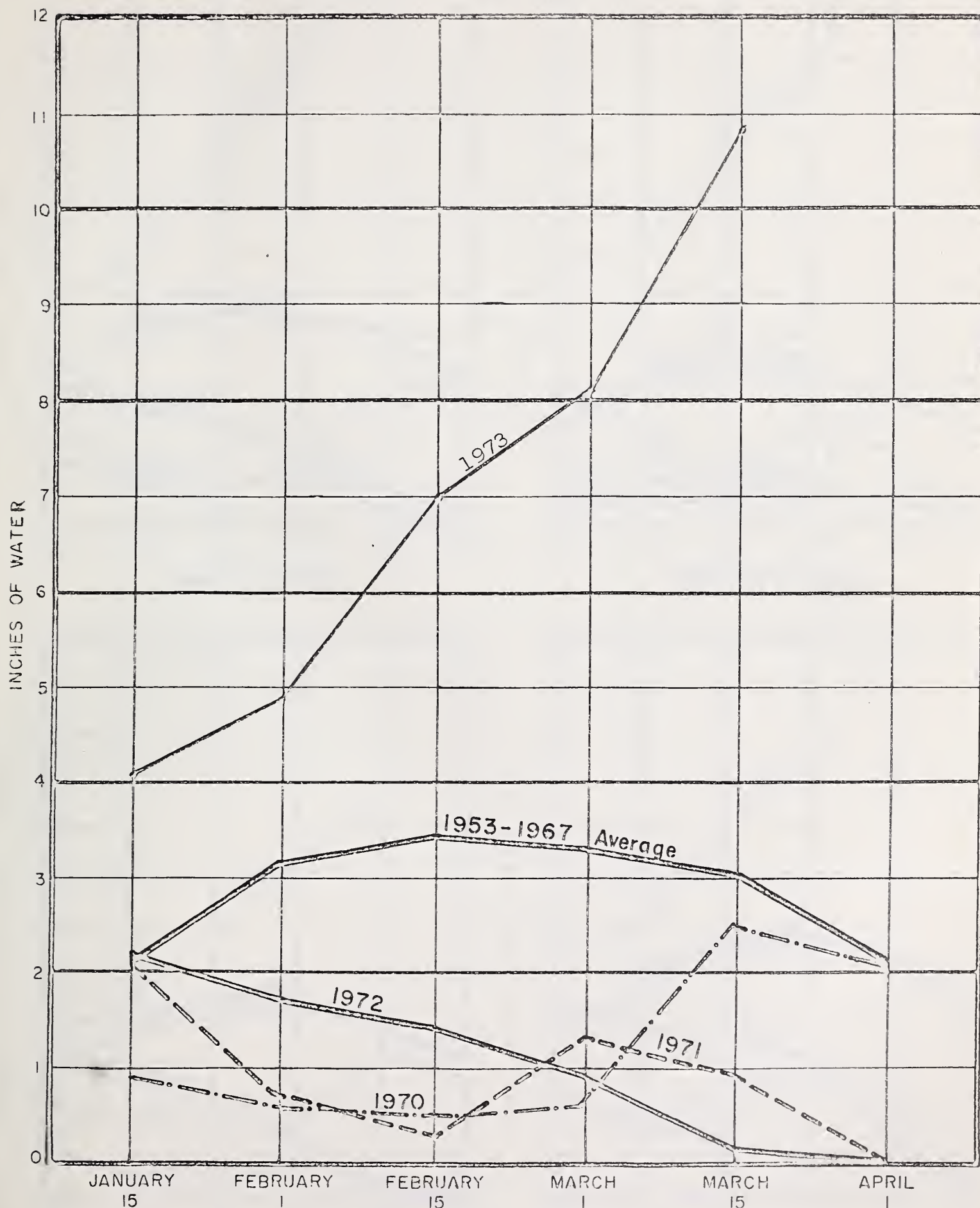
STREAMFLOW FORECASTS		15, 1973		THIS YEAR		PAST RECORD	
BASIN STREAM and/or FORECAST POINT		FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET		
		Thousand Acre Feet	Percent of Average		Last Year	Average †	
<u>SALT RIVER DRAINAGE</u>							
Salt near Roosevelt		523	258	Mar-May	55.4	202.4	
Tonto Creek near Roosevelt		83	367	Mar-May	1.5	22.5	
Verde River above Horseshoe		283	266	Mar-May	31.0	106.5	
Verde River above Horseshoe		183	324	March	11.9	56.4	
Total Salt River Project Streams		889	268	Mar-May	87.9	331.4	
Salt near Roosevelt		203	252	March	30.8	80.6	
<u>GILA RIVER DRAINAGE</u>							
Gila River at Calva		167	418	Mar-May	5.2	39.8	
Gila River near Gila		94	291	Mar-May	12.8	32.3	
Gila River near Solomon		239	327	Mar-May	15.2	73.0	
Gila River near Solomon		125	325	March	7.2	38.4	
Gila River near Virden		115	314	Mar-May	11.8	36.3	
Frisco River at Clifton		120	310	Mar-May	9.0	38.7	
Frisco River at Glenwood		53	331	Mar-May	3.6	16.0	
<u>LITTLE COLORADO RIVER DRAINAGE</u>							
Little Colo. River above Lyman Dam		20	256	Mar-June	2.0	7.8	
<u>GRANITE CREEK DRAINAGE</u>							
Granite Creek		3	---	Mar-May	--	---	
Willow Creek		1.2	---	Mar-May	--	---	
<u>MIMBRES RIVER DRAINAGE</u>							
Mimbres River near Mimbres		5	208	Mar-May	1.1	2.4	
<u>COLORADO RIVER DRAINAGE</u>							
Colorado River -- Lake Powell Inflow (Issued by SCS, Salt Lake City)		7180	110	Apr-July	5578	6527.0	
Virgin River nr. Littlefield		75	225	Apr-June	----	33.4	
Gila River nr. Solomon is forecast to flow above 100 cfs until June 15.							
† Based on the 15-year period, 1953-67							
- 2 -							

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

ABOUT MARCH 15, 1973

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GILA RIVER DRAINAGE					
Agua Fria	Lake Pleasant	157.6	115.4	54.6	42.7
Granite	Watson Lake	4.7	4.5	3.2	---
Granite	Willow Creek	6.1	6.1	1.6	---
Gila	San Carlos	948.6	566.1	113.9	111.4
Salt (4)	Roosevelt, Apache, Canyon & Saguaro	1755.0	1,563.7	953.1	986.7
Verde (2)	Bartlett & Horseshoe	317.7	294.8	69.5	123.3
Salt and Verde	6 Salt River Project Reservoirs	2072.7	1,858.5	1022.4	1110.0
COLORADO RIVER DRAINAGE					
Colorado	Lake Havasu	619.4	564.8	540.9	537.6
Colorado	Lake Mohave	1810.0	1,751.9	1666.0	1708.5
Colorado	Lake Mead	26159.0	19,562.0	17526.0	16268.3
Colorado	Lake Powell	25002.0	12,282.0	13295.0	*
Little Colorado	Lyman	30.6	9.5	9.6	9.7
Little Colorado	Show Low Lake	5.1	5.1	1.6	1.7*
† Based on 15-year period, 1953-67					
* Average is for less than 15 years of record					

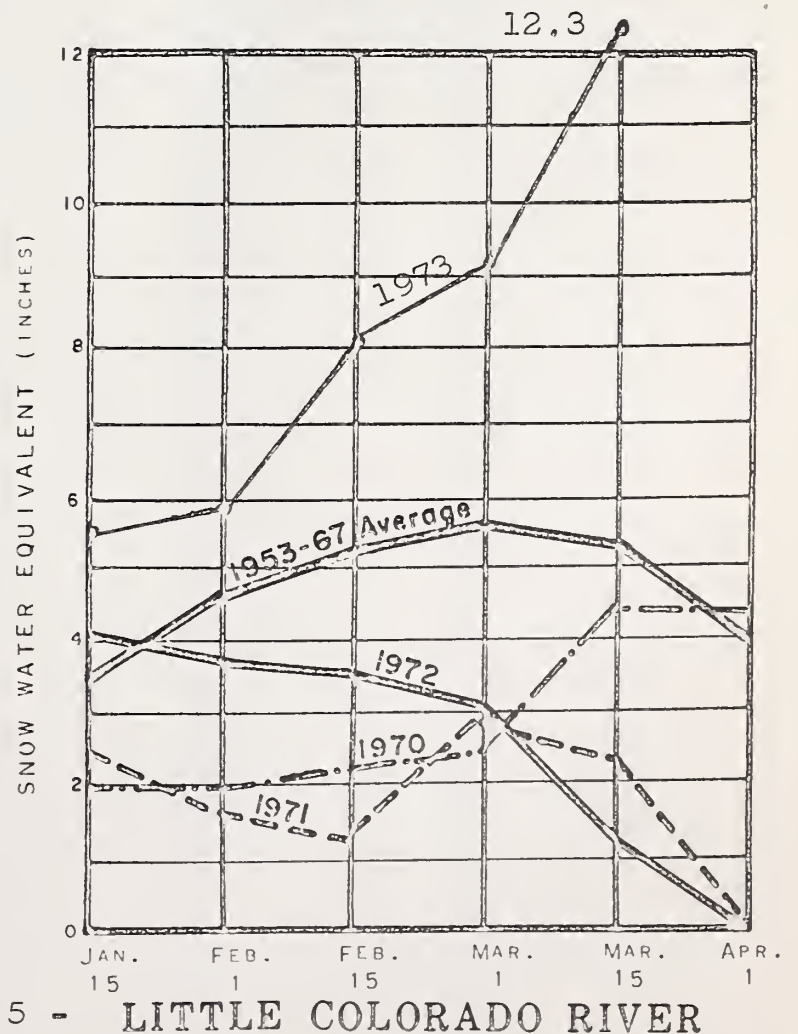
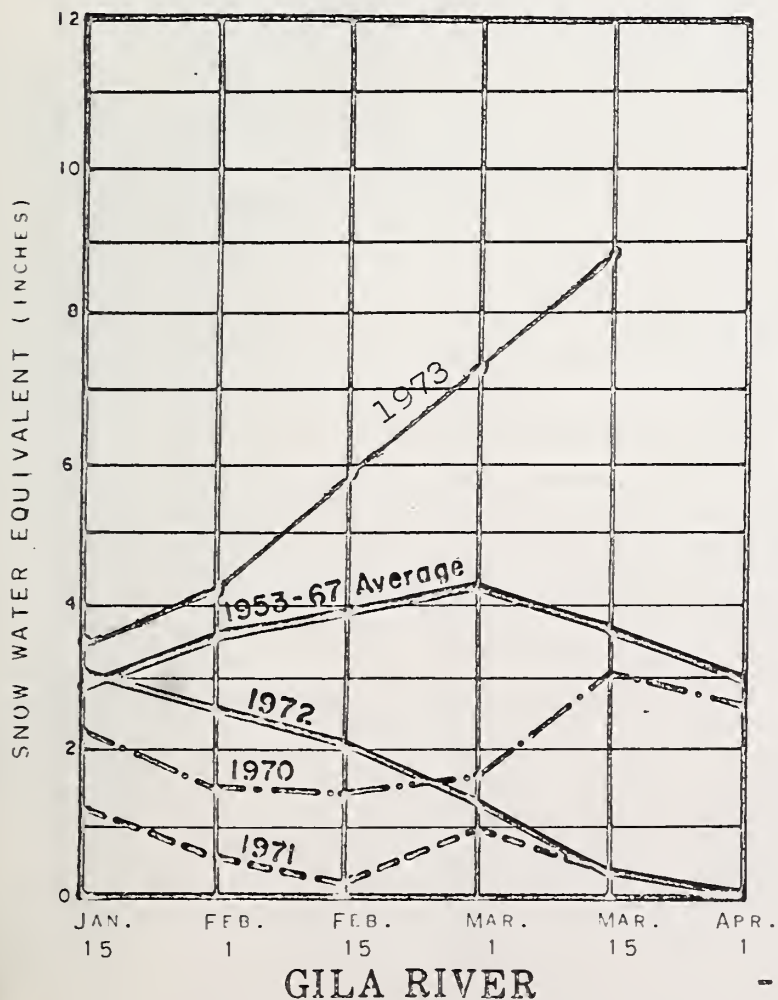
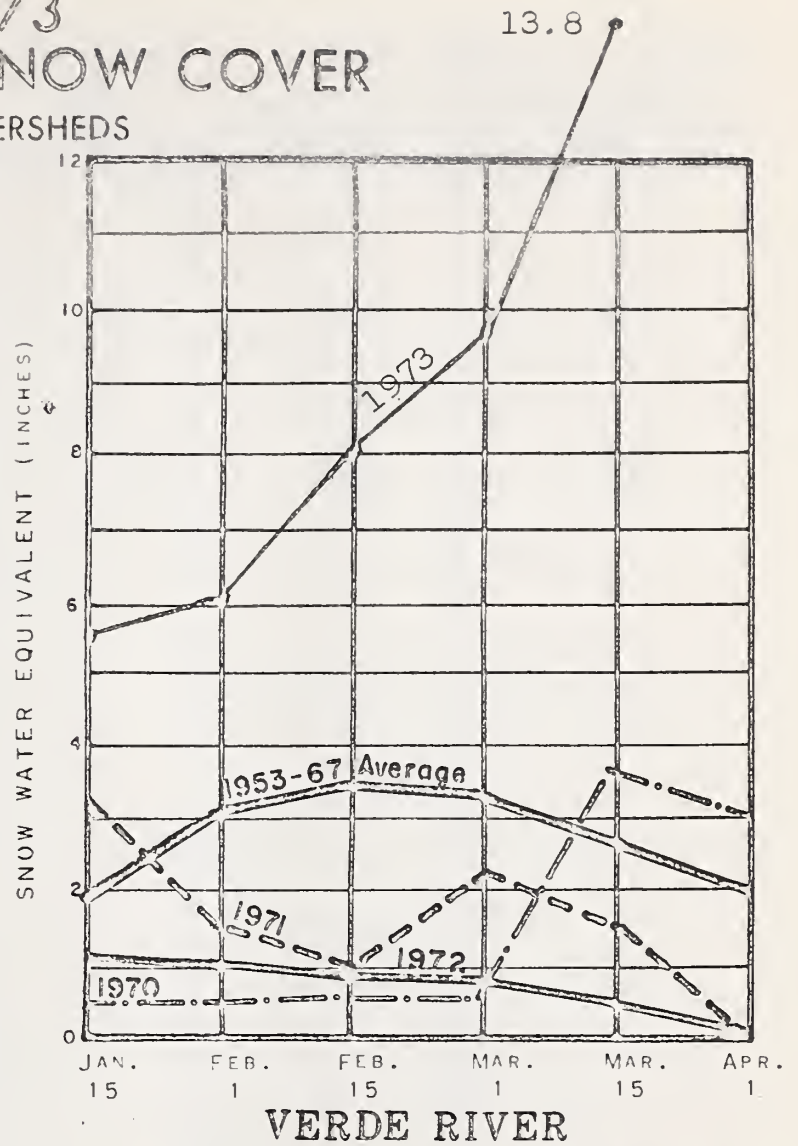
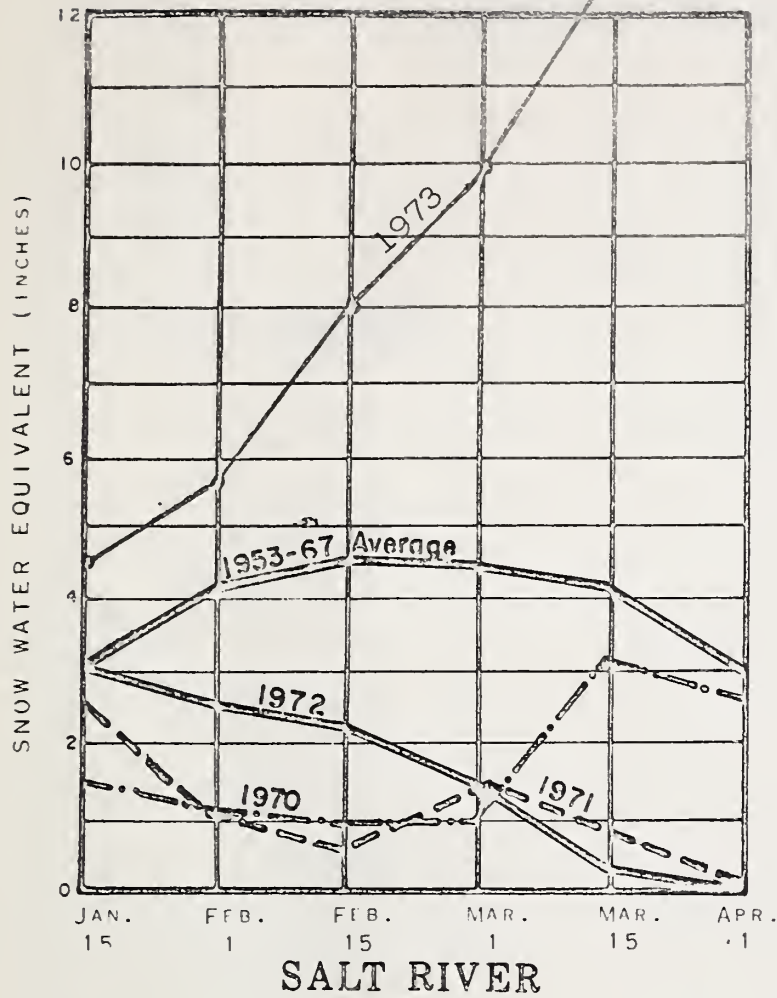
RELATIVE SNOW WATER ACCUMULATION ARIZONA 1973



This graph represents the average snow water content on eleven selected snow courses on Arizona Sub-Watersheds.

1973 ARIZONA SNOW COVER

BY WATERSHEDS



(COMPARISON WITH PREVIOUS YEARS)

ABOUT MARCH 15, 1973

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WATER AS PERCENT OF:	
		Last Year	Average
Gila	10	2200	244
Salt	10	478	306
Verde	10	3700	509
Little Colorado	5	906	235

WATER SUPPLY INVENTORY
SALT RIVER VALLEY SYSTEM

MARCH 15, 1973

IN ACRE-FEET

3,000,000

ANTICIPATED 1973 SUPPLY *

AVERAGE SUPPLY
ON MARCH 15

2,500,000

2,000,000

1,500,000

1,000,000

500,000

0



Average Summer
Runoff

Average Spring
Runoff

Average
Storage



Average Summer Runoff

Forecast Runoff
(March 15-May)

Present Storage

Based on Present Storage + Forecast Spring Runoff + Average Summer Runoff

SNOW

ABOUT MARCH 15, 1973

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>GILA RIVER</u>						
Bear Wallow	8100	3/14	31	7.7	0.0	3.7
Beaver Head	8000	3/14	30	6.8	0.0	2.0
Coronado Trail	8000	3/13	28	8.2	0.0	1.2
Crazy Horse (A)	10200	---	--	---	---	---
Emory Pass #1 *	7800	3/14	6	0.9	0.0	---
Emory Pass #2 *	7800	3/14	14	3.6	0.0	---
Frisco Divide	8000	3/14	24	6.8	0.0	1.5
Hannagan Meadows *	9090	3/14	69	19.3	0.0	9.1**
High Peak (A)	10500	---	--	---	---	---
Hummingbird (A)	10550	3/16	96	26.9	9.1	16.2**
McKnight Cabin * (A)	9300	---	--	---	0.0	---
Mogollon	7000	3/15	5	1.2	0.0	1.1
Nutrioso	8500	3/13	22	5.4	0.0	1.0
Redstone Trail	8600	3/15	48	12.1	0.0	6.9**
Rose Canyon	7300	3/14	25	6.0	0.0	1.4
Silver Creek Divide	9000	3/15	65	17.1	4.0	11.4**
State Line	8000	3/14	29	7.6	0.0	1.1
Whitewater (A)	10750	3/16	120	29.5	19.1	19.5**
<u>SALT RIVER</u>						
Baldy *	9125	3/14	61	14.8	0.6	6.8
Beaver Head	8000	3/14	30	6.8	0.0	2.0
Canyon Creek	7500	3/14	49	14.0	0.0	2.1**
Canyon Point	7600	3/14	53	14.3	0.0	2.5**
Coronado Trail	8000	3/13	28	8.2	0.0	1.2
Forest Dale	6430	3/14	19	3.9	0.0	0.2
Ft. Apache	9160	3/14	61	14.3	2.1	7.4
Hannagan Meadows	9090	3/14	69	19.3	0.0	9.1**
Hawley Lake	8300	3/15	58	15.1	0.0	5.9**
Heber	7600	3/14	51	14.3	0.0	2.1
Maverick Fork	9050	3/14	73	17.8	0.0	8.4
McNary	7200	3/14	39	8.8	0.0	1.3
Milk Ranch	7000	3/14	29	4.9	0.0	0.5
Mt. Ord (A)	11000	3/15	130	29.3	0.0	20.2**
Nutrioso *	8500	3/13	22	5.4	0.0	1.0
Promontory Butte	7930	3/7	63	19.3	---	---
Smith Cienega (A)	9850	3/15	110	25.3	---	15.1**
Sunrise Summit	10600	3/15	86	22.6	10.5	---
Wilson Lake	9000	3/15	74	18.4	4.1	9.7**
Workman Creek	6900	3/15	60	20.1	0.0	3.4
<u>BILL WILLIAMS RIVER</u>						
Camp Wood *	5700	3/15	7	1.3	0.0	0.3
Copper Basin Divide	6720	3/14	30	8.1	0.0	0.6**
Iron Springs	6200	3/14	11	1.6	0.0	0.2

† 1953-67 15-year period. (*) Adjacent drainage. (**) 1953-67 Adjusted average. (A) Aerial observation: Water content estimated.

SNOW

ABOUT MARCH 15, 1973

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
NAME	Elevation				Last Year	Average †
<u>VERDE RIVER</u>						
Baker Butte	7300	3/14	64	18.4	0.0	3.8**
Baker Butte #2	7700	3/14	87	25.4	0.5	---
Camp Wood	5700	3/15	7	1.3	0.0	0.3
Chalender	7100	3/14	40	10.0	0.0	1.6
Copper Basin Divide	6720	3/14	30	8.1	0.0	0.6**
Fort Valley	7350	3/14	37	8.9	0.0	1.1
Gaddes Canyon	7600	3/14	61	15.4	0.0	3.7**
Happy Jack	7630	3/14	64	15.6	0.0	1.5
Iron Springs *	6200	3/14	11	1.6	0.0	0.2
Mingus Mountain	7100	3/14	21	5.2	0.0	0.3
Mormon Lake *	7350	3/15	55	16.2	0.0	2.3
Mormon Mountain	7500	3/14	70	18.7	0.0	3.4
Newman Park	6750	3/15	43	11.7	0.0	1.1**
Snow Bowl #1	10260	3/17	79	22.0	4.0	8.9**
Snow Bowl #2	11000	3/17	123	35.2	12.9	14.0**
White Horse Lake Jct.	7150	3/14	52	13.0	0.0	---
White Spar	6000	3/14	14	2.3	0.0	0.2**
<u>LOWER COLORADO RIVER</u>						
Bill Williams Int.	8550	3/16	82	22.9	0.0	---
Bill Williams Summit	8950	3/16	91	27.0	2.5	---
Bright Angel	8400	3/15	63	19.4	---	---
Chalender *	7100	3/14	40	10.0	0.0	1.6
Fort Valley	7350	3/14	37	8.9	0.0	1.1
Grand Canyon	7500	3/13	30	8.3	0.0	0.9
Williams Ski Run	7720	3/16	69	18.8	0.0	---
<u>LITTLE COLORADO RIVER</u>						
Baldy	9125	3/14	61	14.8	0.6	6.8
Canyon Creek	7500	3/14	49	14.0	0.0	2.1**
Canyon Point	7600	3/14	53	14.3	0.0	2.5**
Cheese Springs	8600	3/15	46	11.3	0.3	---
Forest Dale	6430	3/14	19	3.9	0.0	0.2
Ft. Apache	9160	3/14	61	14.3	2.1	7.4
Fort Valley	7350	3/14	37	8.9	0.0	1.1
Happy Jack *	7630	3/14	64	15.6	0.0	1.5
Heber	7600	3/14	51	14.3	0.0	2.1
McNary	7200	3/14	39	8.8	0.0	1.3
Mormon Lake	7350	3/15	55	16.2	0.0	2.3
Mormon Mountain	7500	3/14	70	18.7	0.0	3.4
Nutrios	8500	3/13	22	5.4	0.0	1.0
Promontory Butte	7930	3/7	63	19.3	---	---
Snow Bowl #1	10260	3/17	79	22.0	4.0	8.9**
Snow Bowl #2	11000	3/17	123	35.2	12.9	14.0**
Wilson Lake *	9000	3/15	74	18.4	4.1	9.7**
Agassiz	11200	3/5	96	30.8	---	---
Inner Basin #1	10260	3/5	85	28.7	---	---
Inner Basin #2	11000	3/5	64	19.5	---	---
† 1953-67 15-year period. (*) Adjacent drainage. (**) 1953-67						
Adjusted average. (A) Aerial observation: Water content estimated.						

PRECIPITATION AT SELECTED ARIZONA STATIONS 1/

STATION	Precipitation (Inches)			
	February 1973		Current Water Year (Oct. 1972-February 1973)	
	Departure from		Departure from	
	Total	Normal	Total	Normal
Alpine	2.89	+ 1.51	15.91	+ 9.13
Ash Fork	1.32	+ 0.17	* 10.91	+ 6.14
Clifton	2.59	+ 1.68	8.69	+ 4.41
Douglas Smelter	1.13	+ 0.54	5.84	+ 2.76
Flagstaff WSO*	3.69	+ 1.91	21.91	+ 14.13
McNary	3.54	+ 1.40	19.40	+ 9.16
Payson Ranger Station	3.99	+ 1.80	21.07	+ 12.01
Phoenix WSFO **	1.36	+ 0.51	8.46	+ 5.08
Prescott (City)	3.13	+ 1.19	16.49	+ 8.50
Springerville	0.79	+ 0.26	4.58	+ 1.61
Tucson WSO*	1.60	+ 0.76	8.08	+ 4.24
Winslow WSO*	2.05	+ 1.57	9.20	+ 6.75
Yuma WSO*	0.50	+ 0.14	3.27	+ 1.70

1/ Data and Analysis furnished by Paul C. Kangieser
NOAA Climatologist for Arizona
National Weather Service, Phoenix

WSO* Weather Service Office

WSFO* Weather Service Forecast Office

* Corrected Value

PRECIPITATION (Inches)

ABOUT MARCH 15, 1973

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. NOV. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
<u>GILA RIVER</u>							
Silver Creek Divide	9000	3/15	3.40	1.30*	17.64	12.02*	147
Hannagan Meadows **	9030	3/14	2.50	1.57*	18.08	11.67*	155
Frisco Divide **	8000	3/14	1.50	---	8.81	-----	---
<u>SALT RIVER</u>							
Canyon Point	7600	3/14	5.67	1.97*	24.74	15.16*	163
Hannagan Meadows **	9030	3/14	2.50	1.57*	18.08	11.67*	155
Little Wildcat (Heber Snow Course)	7600	3/14	4.54	1.57*	21.18	12.94*	164
Maverick Fork	9050	3/14	3.80	1.29*	16.43	11.22*	146
Workman Creek **	6970	3/14	6.27	1.69	26.48	15.57	170
Wilson Lake	9100	3/15	4.27	---	15.07	-----	---
<u>VERDE RIVER</u>							
Baker Butte	7300	3/14	5.82	1.71*	23.95	15.74*	152
Copper Basin Divide	6720	3/14	4.78	1.11*	18.99	10.05*	189
Fort Valley **	7350	3/14	3.17	.92	12.65	8.18	155
Happy Jack **	7480	3/14	5.69	1.21*	19.21	10.08*	191
Mingus Mountain	7660	3/14	4.20	1.02	17.50	8.77	200
Mormon Mountain	7500	3/14	6.10	1.24*	24.93	13.96*	179
White Horse Lake Jct.**	7150	3/14	5.10	---	20.52	---	---
<u>LITTLE COLORADO</u>							
Inner Basin #1	9830	3/15 ^{1/}	6.05	---	20.92	12.41 *	168
Inner Basin #2	10050	3/15 ^{1/}	6.60	---	24.90	---	---
Sheep Crossing (Baldy Snow Course)	9125	3/14	3.40	1.17*	15.94	10.59*	151
Little Wildcat (Heber Snow Course)	7600	3/14	4.54	1.57*	21.18	12.94*	164
Greer Lakes	8500	3/14	1.61	.60	6.85	5.50	125
† 1953-67 Average							
* Adjusted Average							
** Data Supplied by U. S. Forest Service							
^{1/} Inner Basin #1 and #2 measurements for the period February 8- March 5.							
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SOIL MOISTURE

ABOUT MARCH 15, 1973

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average †
<u>GILA RIVER</u>							
Frisco Divide	8000	48	13.3	3/14	14.6	12.4	11.3
<u>SALT RIVER</u>							
Black River Divide	9100	48	16.8	3/14	17.9	18.2	16.1
Canyon Creek	7500	48	18.3	3/14	17.2	17.6	15.2
Corduroy Creek	6000	36	13.5	3/15	14.0	11.6	9.0
McNary	7200	48	16.3	3/14	17.9	17.9	14.9
<u>VERDE RIVER</u>							
Mormon Mountain	7500	48	16.1	3/14	17.9	17.8	15.7
Newman Park	6750	48	17.7	3/15	19.5	17.6	16.7
† 1953-67 15-year average							

The Following Organizations Cooperate in the Arizona Snow Survey Work

FEDERAL

- Department of Agriculture
 - Soil Conservation Service
 - Forest Service
 - Apache Forest
 - Coconino Forest
 - Coronado Forest
 - Gila Forest
 - Kaibab Forest
 - Prescott Forest
 - Rocky Mountain Forest and Range Experiment Station
 - Tonto Forest
- Department of Commerce
 - NOAA, National Weather Service
- Department of Interior
 - Bureau of Reclamation
 - Region III
 - Geological Survey
 - Arizona District
 - New Mexico District
 - Bureau of Indian Affairs
 - Fort Apache Reservation
 - San Carlos Irrigation Project
 - National Park Service
 - Grand Canyon National Park
- Gila Water Commissioner
 - Safford, Arizona

STATE

- Arizona Game and Fish Department
- Arizona State Parks Board
- University of Arizona
 - Arizona Agricultural Experiment Station
 - Water Resource Research Center
 - Department of Watershed Management

MUNICIPAL

- City of Flagstaff

IRRIGATION PROJECTS

- Salt River Valley Water User's Association
 - Phoenix, Arizona
- San Carlos Irrigation and Drainage District
 - Coolidge, Arizona
- Maricopa County Municipal Water Conservation District

PRIVATE

- Southwest Forest Industries, Inc.
 - McNary, Arizona
- Fort Apache Indian Reservation
 - White Mountain Recreation Enterprises

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with the Snow Survey"*